APR 1 9 2004 BY TRADEMARK

APD01_3.ST25 SEQUENCE LISTING

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       HWANG, Hyun Jin
       HWANG, Hyun Jin
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The 34th nucleotide t is linked to biotin by a linker. The last
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(4-(4'-dimethylaminophenylazo)benzoic acid) by a linker.
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<211>
       25
<212>
      DNA
<213> Artificial
<220>
<223> Synthetic sequence
<220>
<221>
       modified_base
<222>
      (1)..(25)
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APD01_3.ST25
<223> The 23rd nucleotide t is linked to biotin by a linker.
<220>
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       stem_loop
       (1)..(25)
<400> 146
                                                                          25
cgacgatcct cattaccata cgtcg
<210> 147
<211> 25
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<212>
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<220>
<223> Synthetic sequence
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       (1)..(25)
       The 23rd nucleotide t is linked to biotin by a linker.
<220>
<221>
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<222> (1)..(25)
<400> 147
                                                                          25
ggaggataat cattaccata cctcc
<210> 148
      25
<211>
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      modified_base
<222>
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       The 23rd nucleotide t is linked to biotin by a linker.
<223>
<220>
<221>
      stem_loop
<222>
       (1)..(25)
<400> 148
ccaccatact cattacccta ggtgg
                                                                          25
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<211>
      23
<212> DNA
<213> Artificial
<220>
<223> Synthetic sequence
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       (1)..(23)
       The 21st nucleotide t is linked to biotin by a linker.
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<221>
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<222>
       (1)..(23)
<400> 149
                                                                            23
gcagatactc attaccatac tgc
<210> 150
<211>
       25
<212>
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The 23rd nucleotide t is linked to biotin by a linker.
<223>
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<222>
       (1)..(25)
<400> 150
                                                                            25
gcaggatact gcttaccata cctgc
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       25
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<222>
       (1)...(25)
<223>
       The 23rd nucleotide t is linked to biotin by a linker.
<220>
<221>
<222>
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       (1)..(25)
<400> 151
gcaggactct cattacactg cctgc
                                                                            25
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       152
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       25
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       DNA
       Artificial
<213>
<220>
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<221>
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<222>
       (25)..(25)
      The 25th nucleotide t is linked to biotin by a linker.
<223>
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agcgcatcct cattacccta gcgct
<210> 153
      25
<211>
<212>
      DNA
<213> Artificial
<220>
<223> Synthetic sequence
<220>
      modified_base
<221>
<222>
      (1)..(25)
<223>
      The 21st nucleotide t is linked to biotin by a linker.
<220>
<221>
       stem_loop
<222>
      (1)..(25)
<400> 153
                                                                       25
gcgcaatcct cattacccta tgcgc
<210>
       154
<211>
       25
<212>
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<220>
<223> Synthetic sequence
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      modified_base
<222>
       (1)..(25)
<223>
      The 19th nucleotide t is linked to biotin by a linker.
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       (1)..(25)
<400> 154
                                                                       25
gcagcatcct cattacccta gctgc
<210> 155
      25
<211>
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<220>
<223> Synthetic sequence
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       modified_base
<222>
       (1)..(25)
<223>
       The 13rd nucleotide t is linked to biotin by a linker.
<220>
<221>
       stem_loop
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       (1)..(25)
<400> 155
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gcagcatcct cattacccta gctgc
<210> 156
<211> 25
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<223> Synthetic sequence
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<221>
       modified_base
<222>
       (1)..(25)
       The 10th nucleotide t is linked to biotin by a linker.
<223>
<220>
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       stem_loop
<222>
       (1)..(25)
<400> 156
                                                                       25
gcagcatcct cattacccta gctgc
<210> 157
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      DNA
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<223>
      Synthetic sequence
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       modified_base
<221>
<222>
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       The first nucleotide g is linked to fluorescein by a linker. The
<223>
       last (25th) nucleotide c is linked to DABCYL
       (4-(4'-dimethylaminophenylazo)benzoic acid) by a linker.
<220>
<221>
       stem_loop
<222>
       (1)..(25)
<400> 157
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gcagctagga gtaatgggat gctgc
<210> 158
<211> 15
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<213>
<220>
<223> Synthetic sequence
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<221>
       modified_base
<222>
       (11)...(11)
       The 11st nucleotide t is linked to biotin by a linker.
<223>
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atcccattac tccta
                                                                         15
<210>
      159
<211>
      13
<212>
<213>
       DNA
      Artificial
<220>
<223>
      Synthetic sequence
<220>
<221>
<222>
      modified_base
       (11)..(11)
<223>
      The 11st nucleotide t is linked to biotin by a linker.
<400> 159
atcccattac tcc
                                                                         13
<210>
      160
<211>
       15
<212>
      DNA
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<220>
<223> Synthetic sequence
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                                                                         15
tagggtaatg aggat
       161
<210>
<211>
      25
<212>
      DNA
<213> Artificial
<220>
<223>
      Synthetic sequence
<220>
       modified_base
<221>
<222>
      The 23rd nucleotide t is linked to carboxyl group by a linker.
<223>
<220>
<221>
       stem_loop
       (1)..(25)
<222>
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gcagcatcct cattacccta gctgc
                                                                         25
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<211> 25
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<220>
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<223>
       (1)..(25)
       The 23rd nucleotide t is linked to amine group by a linker.
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      (1)..(25)
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gcagcatcct cattacccta gctgc
                                                                         25
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<211> 7
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<223> Protein Kinase C phosphorylation site
<400> 163
Lys Arg Thr Leu Arg Arg Cys 5
<210> 164
<211> 6
<212> PRT
<213> mammalian
<220>
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<223> Protein Kinase C phosphorylation site
<400> 164
Lys Arg Thr Leu Arg Arg
1 5
```

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<210> 165
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       25
<212> DNA
<213> Artificial
<220>
<223> Synthetic sequence
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       modified_base
       (1)..(25)
<223>
       The 23rd nucleotide t is linked to phosphorylated heptapeptide,
       KRpTLRRC, by a linker.
<220>
<221>
<222>
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(1)..(25)
<400> 165
                                                                            25
gcagcatcct cattacccta gctgc
<210> 166
<211> 7
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<213> Artificial
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The 3rd amino acid T is phosphorylated.
<223>
<400> 166
Lys Arg Thr Leu Arg Arg Cys
<210>
       167
<211> 25
<212> DNA
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<221>
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       The 23rd nucleotide t is linked to the heptapeptide, KRpTLRRC, by
<223>
       a linker.
<220>
<221> stem_loop
<222> (1)..(25)
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<400> 167 gcagcatcct cattacccta gctgc

25